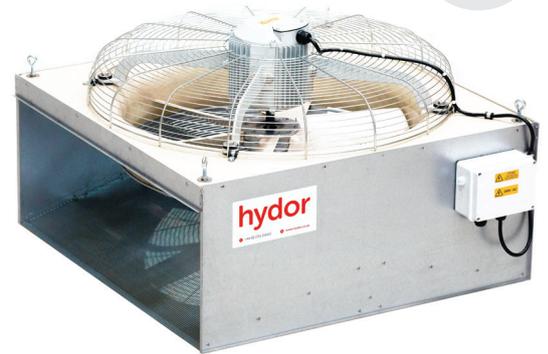


HDSF Destratification Fan

15%
fuel saving

Hydor's Destratification Fans are installed in the ceiling space to redistribute warm air towards floor level, where it's needed most.

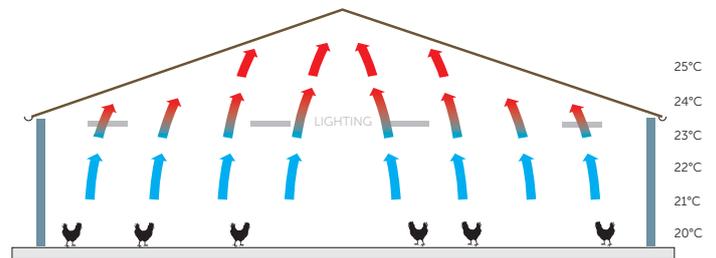
Warm heated air rises to the highest point of an enclosed area, thereby causing cooler air to reside at floor level. Traditionally temperatures have been maintained at floor level by continued and pro-longed use of heaters to saturate the entire building with heat. This results in much higher fuel consumption and relative energy expenditure.



7 Without Destratification Fans

Without the Destratification fans installed, heat rises from floor level and collects in the ceiling void. In a well ventilated poultry building the difference in temperature levels can be as much as 5°C.

Heaters are required to operate more frequently in this situation to restore temperatures at floor height to acceptable levels for the livestock housed. This results in higher fuel costs and wasted energy.



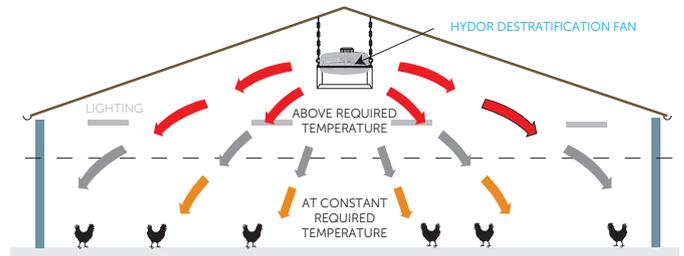
8 With Destratification Fans

With Hydor Destratification fans installed in the ceiling space, the accumulated warm air is redistributed down towards floor level and re-circulated around the building. This operation creates a more even temperature around the housing and allows the floor level temperature to be sustained for a longer period of time without the prolonged and frequent use of heaters, thereby reducing energy expenditure significantly.

Tests have also proven that the fans aid maintenance of a constant temperature at floor level. In comparison, a shed reliant solely on heaters recorded considerable fluctuations in temperature which is unsuitable for the wellbeing of the birds.

The Hydor Destratification Fan incorporates the renowned Hydor HXP Fan, one of the most efficient fans available on the market. With a heavy duty construction, the fans are robust for arduous environments. The units include both motor-side and propeller-side guards for safety. Suspension eyelets are fitted as standard.

With the installation of Hydor Destratification Fans the litter in poultry houses is notably drier, alleviating the problems incurred with frequent wet litter. Improved air quality with reduced levels of ammonia result in an improved crop of birds and greater profit potential.



A Destratification Fan Study* carried out for Hydor Ltd by Farm Energy showed:

- Improvements in air temperature distribution
- Reduced gas consumption when fans were operating, resulting in a 15% heating fuel saving
- A saving of over £1,000 in heater running costs (cost of running approx £1.50 per day)
- Reduced heat losses of the building through the structure and air leakage
- Better growth rate and feed conversion as a result